

Geomagic MicroScribe Plug-In 1.0 User's Manual

Overview

The Geomagic MicroScribe Plug-In supports MicroScribe probe arms in Geomagic Qualify, Geomagic Qualify Probe, Geomagic Studio, and Geomagic Wrap.

The arm is available as a Hard Probing Device in Geomagic software.

Installation

Please see the release notes on the [Geomagic Support Downloads](#) page for installation instructions.

Available Commands

Select the MicroScribe plug-in as your Hard Probing Device in the Options > Digitizers menu. After selecting the MicroScribe Plug-In, the following commands will invoke the MicroScribe. Please read the application documentation for instructions on each command.

Geomagic Qualify and Qualify Probe

Capture tab (Qualify) or Home tab (Qualify Probe)

Align Group

- Orient to World
- Move Device
- 3-2-1 Alignment
- Iterative Alignment

Collect group

- Probe Points
- Probe Sections
- Quick Probe
- Probe Features

Measure group

- All measurements

Analysis group

- Probe Compare
- Real-Time Deviation

Options group

- Plug-In Options

Geomagic Studio and Wrap

Capture tab

Align Group

- Orient to World
- Move Device

Collect group

- Probe Points
- Probe Sections
- Probe Features

Measure group

- All measurements

Options group

- Plug-In Options

Capturing Points

Single-Point Collection

Trigger Button collects a point.

Top Button exits from single-point collection mode.

Feature Probing

Trigger button collects a point.

If you have probed enough points to define a feature, Top Button defines an offset point. If not, it backs out of the feature probing command.

After defining an offset point or exiting a probing command, the application will start a new feature automatically. To fully exit feature probing, press Top Button again.

Continuous Collection, Probe Sections, Real-Time Deviation

Trigger Button starts and pauses collection.

Top Button exits out of the command.

Plug-In Options

To set plug-in options, click on the following:

Studio, Qualify, and Wrap:

Capture Ribbon > Plug-In Options

Qualify Probe:

Home Ribbon > Plug-In Options

Tip Options

This dialog allows you to select a previously defined probe tip. To define new tips, use Microscribe Utility Software.

Home

This performs a “Soft Home”, equivalent to pressing the “Home” button on the arm base.

Known Issues

No known issues at this time.